

Date: Fri, 29 Oct 93 10:59:36 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1283
To: Info-Hams

Info-Hams Digest Fri, 29 Oct 93 Volume 93 : Issue 1283

Today's Topics:

 'Vanity' Call Signs
 AX.25 Specifications on the net?
 BAUD VS BAUDS
 Bird watt-meters can't be exported?
 converting ssb cb to 10 meter
 Daily Solar Geophysical Data Broadcast for 28 October
 Gays vs. ARRL (was: <an ad for a gay radio club>)
 HF bands in need of repair
 ORBS\$301.2L.AMSAT
 ORBS\$301.WEATH.AMSAT
 Update - ARRL National Exam Day '93 - Tomorrow, 10/30/93
 Yaesu FT-990 Comments...
 zones, regions, and all that stuff -- where am I?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 29 Oct 93 16:56:53 GMT
From: news-mail-gateway@ucsd.edu
Subject: 'Vanity' Call Signs
To: info-hams@ucsd.edu

> Personally, I do not want to see a commercial company administer amateur
> licenses. They can charge whatever they want, while amateur organizations
> can only charge the actual costs involved since they are non profit.
> Since license fees would be used to pay for the program, you can see that
> an amateur organization would be a better choice for all of us.

i don't believe a non-profit biz is prohibited from turning a profit. they can't do things to raise capital & pay investors like a profit business but they can certainly show a profit. There are other things a non-profit cannot do but those are political trade off for having the tax benefit of non-profit status.

there's certainly more folks on here that will be more expert in this part of the tax code than me, but i know it's false to assume a non-profit organization is a guarantee against high fees/prices...

Date: 29 Oct 1993 16:27:04 GMT
From: nothing.ucsd.edu!brian@network.ucsd.edu
Subject: AX.25 Specifications on the net?
To: info-hams@ucsd.edu

btoback@netcom.com (Bruce Toback) writes:
>Is the full specification for AX.25 available on the net?

No.

Is the description
>of AX.25 in the ARRL Handbook adequate for writing PAD software?

No. But there is little better. You should look at several of the available implementation sources to get ideas.

- Brian

Date: 29 Oct 93 14:50:29 GMT
From: news-mail-gateway@ucsd.edu
Subject: BAUD VS BAUDS
To: info-hams@ucsd.edu

Actually the term baud itself is often misused. The term baud means "a rate of information exchange". e.g., Baud rate is the rate at which a frequency shift keyed tone is changing to send mark and space or "1s" and "0"s. In most high speed landline modems for 1200 bps and up the bit/second rate and the baud rate are *not* the same. The fact is that a 9600 BPS modem uses a baud rate (not bauds) of 2400. That's because of the modem modulation scheme using more than one FSK tone pair sends 4 bits per baud. So technically it is incorrect to call a V.29 or V.32 modem a 9600 baud modem. The "9600" modem you might have in your PC is a 9600 bit/second (2400 baud) modem.

Seth Taylor
KC2WE

The opinions are my own and not those of ASCOM Timeplex

Date: Thu, 28 Oct 93 08:43:49 GMT
From: pacbell.com!uop!lll-winken.llnl.gov!sol.ctr.columbia.edu!
howland.reston.ans.net!pipex!uknet!uos-ee!ee.surrey.ac.uk!
M.Willis@network.ucsd.edu
Subject: Bird watt-meters can't be exported?
To: info-hams@ucsd.edu

Seriously. These things cost a lot more over here and I suspect it is a monopoly problem. You can expect to pay about \$500 equivalent for a basic model 43. Then there are the slugs. It is a very expensive meter, second hand prices from dealers usually are about \$150. Getting useful slugs (e.g. 1KW C) is virtually impossible without buying new...so if anyone has a collection of slugs they don't need let me know.

I made my own 43 using a panel mounted bird meter and coupler plus a dicast box, that only cost me \$120 with a 500W 50-125 MHz slug that also works on 144 MHz pretty well.

Mike

Date: 27 Oct 93 18:13:08 EST
From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa
Subject: converting ssb cb to 10 meter
To: info-hams@ucsd.edu

In article <1993Oct21.152442.23398@osuunx.ucc.okstate.edu>, martin@datacomm.ucc.okstate.edu (Martin McCormick) wrote:
> I have a Browning LTD which I converted just recently to 10.
> After determining which crystal in the mixer to replace, I bought one
> and soldered it in. The only problem I had is that the new crystal which
> is in a varactor circuit won't rubber around nearly as much as the old one did.

Martin-

If you haven't received a better response yet, try adding a small inductance in series with the voltage-variable-capacitor diode. I don't

recall the approximate value, but the physical size of the inductors I've used, was about the size of a 1/2 watt carbon resistor.

You might try taking a 1/2 watt 1 megohm resistor, and winding a single layer coil using the finest wire you have. When you see how much difference this makes, you can try more or less inductance to get where you want to be. If this approach doesn't increase the range enough, you may need an inductor that is wound on a ferrite core coil form.

To lower the frequency of the crystal, you might change the voltage-variable-capacitor diode, to one that has a higher nominal value. If you don't have a source of these diodes, try an ordinary rectifier diode, and see what happens. I have found some that not only worked well in the circuit, but had a wider "rubbering" spread!

73, Fred, K4DII

Date: 29 Oct 93 14:50:35 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 28 October
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 301, 10/28/93
10.7 FLUX=088.5 90-AVG=094 SSN=047 BKI=3343 3224 BAI=016
BGND-XRAY=B1.5 FLU1=1.2E+06 FLU10=9.7E+03 PKI=3344 3234 PAI=016
BOU-DEV=024,025,046,029,021,019,019,044 DEV-AVG=028 NT SWF=00:000
XRAY-MAX= C1.7 @ 0802UT XRAY-MIN= B1.1 @ 0201UT XRAY-AVG= B3.3
NEUTN-MAX= +001% @ 2220UT NEUTN-MIN= -002% @ 2315UT NEUTN-AVG= -0.4%
PCA-MAX= +0.1DB @ 1330UT PCA-MIN= -0.6DB @ 1805UT PCA-AVG= -0.1DB
BOUTF-MAX=55363NT @ 0352UT BOUTF-MIN=55336NT @ 1709UT BOUTF-AVG=55352NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+059,+000,+000
GOES6-MAX=P:+119NT@ 1316UT GOES6-MIN=N:-066NT@ 1017UT G6-AVG=+082,+018,-038
FLUXFCST=STD:086,085,084;SESC:086,085,084 BAI/PAI-FCST=010,008,008/015,010,015
KFCST=2333 4332 2333 2222 27DAY-AP=025,008 27DAY-KP=5455 3322 2233 2321
WARNINGS=*SWF
ALERTS=
!!END-DATA!!

NOTE: The Effective Sunspot Number for 27 OCT 93 is not available.
The Full Kp Indices for 27 OCT 93 are not available.

Date: Wed, 27 Oct 1993 22:27:37 GMT
From: news.Hawaii.Edu!uhunix3.uhcc.Hawaii.Edu!jherman@ames.arpa
Subject: Gays vs. ARRL (was: <an ad for a gay radio club>)

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>dbledsoe@netcom.com (Donnelly R. Bledsoe) writes:
>
>> While the ARRL is now prepared to publish
>> one specific ad, we have received no assurance that this decision would
>> not be reversed as it was in 1985 if League members once again complain about
>> its publication. In the absence of a stated assurance that our ad will not
>> once again be removed, how can we possibly drop our complaint?
>
```

If QST represents the ARRL, and the ARRL represents its members, and if the membership doesn't want your ad to appear, then what grounds do you have for a complaint? Why should the ARRL (i.e., the membership) go against the wishes of its members? Seems rather contradictory to me.

Has anybody noticed that the HF bands are in pretty poor shape as of late?

Do you think we could get NASA to get the shuttle astronauts to drop some spare ions into the atmosphere? It would really help for DXing. Or how about a balloon carrying ions that we'd let go, and once it got to a certain altitude, it would blow up and disintegrate (like weather balloons of olden times) and release the ions into a useful location.

—

73, ----- The
 \ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live \$5.00
 WAC-CW/SSB WAS DXCC - 109 QSLed on dipoles -----| Dipoles! Antenna!

Date: 29 Oct 93 13:52:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: ORBS\$301.2L.AMSAT
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-301.N
2Line Orbital Elements 301.AMSAT

HR AMSAT ORBITAL ELEMENTS FOR AMATEUR SATELLITES IN NASA FORMAT
FROM WA5QGD FORT WORTH,TX October 28, 1993
BID: \$ORBS-301.N

DECODE 2-LINE ELSETS WITH THE FOLLOWING KEY:
1 AAAAAU 00 0 0 BBBB.BBBBBBBB .CCCCCCC 00000-0 00000-0 0 DDDZ
2 AAAAA EEE.EEEE FFF.FFFF GGGGGGG HHH.HHHH III.IIII JJ.JJJJJJJJ KKKKKKZ
KEY: A-CATALOGNUM B-EPOCHTIME C-DECAY D-ELSETNUM E-INCLINATION F-RAAN
G-ECCENTRICITY H-ARGPERIGEE I-MNANOM J-MNMOTION K-ORBITNUM Z-CHECKSUM

TO ALL RADIO AMATEURS BT

A0-10

1 14129U 83058B 93299.24383121 -.00000072 00000-0 10000-3 0 2062
2 14129 27.1666 359.3410 6019738 124.9488 306.7842 2.05883620 77965
U0-11

1 14781U 84021B 93299.07482308 .00000223 00000-0 41935-4 0 6079
2 14781 97.8024 319.6332 0011402 304.7018 55.3113 14.69072104515936
RS-10/11

1 18129U 87054A 93299.10285174 .00000046 00000-0 44148-4 0 8078
2 18129 82.9272 141.8725 0011615 322.1644 37.8691 13.72324920317791
A0-13

1 19216U 88 51 B 93291.97902075 -.00000112 00000-0 30938-2 0 8038
2 19216 57.9233 288.8083 7215023 326.4503 3.7960 2.09724992 40957
F0-20

1 20480U 90013C 93299.00186596 -.00000048 00000-0 -80958-4 0 6045
2 20480 99.0180 130.3366 0541032 150.1410 213.1750 12.83221199174090
A0-21

1 21087U 91006A 93298.13050588 .00000085 00000-0 82657-4 0 3624
2 21087 82.9443 316.6683 0036745 20.9355 339.3296 13.74527377137295
RS-12/13

1 21089U 91007A 93298.75967888 .00000048 00000-0 44678-4 0 6077
2 21089 82.9248 185.2906 0030933 41.5515 318.7983 13.74028575136455
ARSENE

1 22654U 93031B 93298.03432981 -.00000047 00000-0 10000-3 0 2041
2 22654 1.3841 114.8650 2933270 159.2220 217.6982 1.42202580 2416
U0-14

1	20437U	90005B	93298.72689339	.000000085	000000-0	40898-4	0	9073
2	20437	98.6070	21.5185 0011128	155.8328	204.3377	14.29799008196084		
AO-16								
1	20439U	90005D	93298.72161595	.000000086	000000-0	41254-4	0	7070
2	20439	98.6156	22.5143 0011307	156.6454	203.5244	14.29856581196099		
DO-17								
1	20440U	90005E	93298.76860351	.000000088	000000-0	41931-4	0	7076
2	20440	98.6159	22.8081 0011473	155.9730	204.1990	14.29993472196110		
WO-18								
1	20441U	90005F	93298.73999612	.000000071	000000-0	35353-4	0	7081
2	20441	98.6156	22.7974 0011996	156.7230	203.4497	14.29971655196115		
LO-19								
1	20442U	90005G	93298.73359862	.000000084	000000-0	40309-4	0	7079
2	20442	98.6163	22.9939 0012327	156.2467	203.9286	14.30063548196120		
UO-22								
1	21575U	91050B	93298.74500372	.000000103	000000-0	41671-4	0	4075
2	21575	98.4612	12.6843 0007035	274.2635	85.7748	14.36859247119414		
KO-23								
1	22077U	92052B	93298.74240246	.000000000	000000-0	10000-3	0	3040
2	22077	66.0822	50.8442 0003465	348.4485	11.6453	12.86281536 56633		
AO-27								
1	22825U	93061C	93295.64096742	.000000056	000000-0	30796-4	0	2054
2	22825	98.6795	8.5384 0007562	177.6052	182.5167	14.27585294 3797		
IO-26								
1	22826U	93061D	93295.63906879	.000000078	000000-0	39566-4	0	2064
2	22826	98.6792	8.5415 0008651	179.1527	180.9670	14.27687862 3799		
KO-25								
1	22830U	93061H	93298.71610244	.000000124	000000-0	57835-4	0	2071
2	22830	98.5809	11.3340 0011835	139.9688	220.2367	14.28011695 4238		
NOAA-9								
1	15427U	84123A	93300.72651427	.000000099	000000-0	62608-4	0	6087
2	15427	99.0865	343.0970 0014906	151.8994	208.2999	14.13555759457494		
NOAA-10								
1	16969U	86073A	93294.47268088	.000000082	000000-0	43407-4	0	5061
2	16969	98.5156	305.7322 0012934	311.4298	48.5778	14.24837765368616		
MET-2/17								
1	18820U	88005A	93298.90570410	.000000039	000000-0	29460-4	0	2065
2	18820	82.5396	94.9503 0017341	115.3342	244.9614	13.84695739289935		
MET-3/2								
1	19336U	88064A	93298.94058135	.000000043	000000-0	10000-3	0	2066
2	19336	82.5415	129.4526 0017465	125.4990	234.7765	13.16961909252425		
NOAA-11								
1	19531U	88 89 A	93298.39832634	-.000000293	000000-0	-14675-3	0	4066
2	19531	99.1495	276.8780 0012791	73.7107	286.5606	14.12924957262064		
MET-2/18								
1	19851U	89018A	93299.11903329	.000000043	000000-0	33498-4	0	2070
2	19851	82.5239	330.5443 0014109	157.6371	202.5407	13.84347402235301		
MET-3/3								

1 20305U 89086A 93298.42537212 .000000043 00000-0 10000-3 0 9089
 2 20305 82.5459 72.9825 0016410 148.0687 212.1432 13.16023362192233
 MET-2/19
 1 20670U 90057A 93298.73841042 .000000015 00000-0 79036-5 0 7079
 2 20670 82.5470 34.6912 0017240 82.9970 277.3151 13.84178650168180
 FY-1/2
 1 20788U 90081A 93298.92381594 .000000360 00000-0 26172-3 0 8129
 2 20788 98.8525 321.3744 0014692 308.8653 51.1202 14.01317616160898
 MET-2/20
 1 20826U 90086A 93299.07374770 .000000046 00000-0 36682-4 0 7063
 2 20826 82.5275 332.2559 0013857 349.6098 10.4773 13.83562027155382
 MET-3/4
 1 21232U 91030A 93297.56590798 .000000043 00000-0 10000-3 0 6080
 2 21232 82.5424 336.1765 0014196 55.6002 304.6456 13.16456765120350
 NOAA-12
 1 21263U 91032A 93295.63898410 .000000164 00000-0 82106-4 0 8133
 2 21263 98.6472 323.3661 0012171 203.1133 156.9505 14.22322766126769
 MET-3/5
 1 21655U 91056A 93298.88640364 .000000043 00000-0 10000-3 0 6077
 2 21655 82.5509 282.2055 0014735 62.6900 297.5720 13.16824970105624
 MET-2/21
 1 22782U 93055A 93300.19232430 .000000087 00000-0 73922-4 0 2065
 2 22782 82.5497 31.0715 0022297 155.2055 205.0182 13.82988487 7889
 MIR
 1 16609U 86017A 93301.31899445 .00012439 00000-0 16561-3 0 5406
 2 16609 51.6186 270.6474 0006514 2.6256 358.3233 15.58550055439842
 HUBBLE
 1 20580U 90037B 93301.20177863 .000000996 00000-0 86690-4 0 3568
 2 20580 28.4698 286.9209 0004452 5.5939 354.4702 14.92891768191401
 GRO
 1 21225U 91027B 93297.55475959 .00018229 00000-0 19892-3 0 2111
 2 21225 28.4612 73.5299 0077420 174.2221 185.9288 15.57904631 20500
 UARS
 1 21701U 91063B 93301.16109823 .000000866 00000-0 86542-4 0 4068
 2 21701 56.9877 8.7080 0005863 89.4282 270.7416 14.96281379116200
 POSAT
 1 22829U 93 61 G 93289.11726978 .000000072 00000-0 37231-4 0 2042
 2 22829 98.6763 2.0610 0010043 184.4594 175.6498 14.27975951 2862
 /EX

 Date: 29 Oct 93 13:40:00 GMT
 From: news-mail-gateway@ucsd.edu
 Subject: ORBS\$301.WEATH.AMSAT
 To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-301.W

Orbital Elements 301.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM WA5QGD FORT WORTH,TX October 28, 1993
BID: \$ORBS-301.W
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
Catalog number: 15427
Epoch time: 93300.72651427
Element set: 608
Inclination: 99.0865 deg
RA of node: 343.0970 deg
Eccentricity: 0.0014906
Arg of perigee: 151.8994 deg
Mean anomaly: 208.2999 deg
Mean motion: 14.13555759 rev/day
Decay rate: 9.9e-07 rev/day^2
Epoch rev: 45749
Checksum: 353

Satellite: NOAA-10
Catalog number: 16969
Epoch time: 93294.47268088
Element set: 506
Inclination: 98.5156 deg
RA of node: 305.7322 deg
Eccentricity: 0.0012934
Arg of perigee: 311.4298 deg
Mean anomaly: 48.5778 deg
Mean motion: 14.24837765 rev/day
Decay rate: 8.2e-07 rev/day^2
Epoch rev: 36861
Checksum: 347

Satellite: MET-2/17
Catalog number: 18820
Epoch time: 93298.90570410
Element set: 206
Inclination: 82.5396 deg
RA of node: 94.9503 deg
Eccentricity: 0.0017341
Arg of perigee: 115.3342 deg
Mean anomaly: 244.9614 deg
Mean motion: 13.84695739 rev/day
Decay rate: 3.9e-07 rev/day^2
Epoch rev: 28993
Checksum: 331

Satellite: MET-3/2
Catalog number: 19336
Epoch time: 93298.94058135
Element set: 206
Inclination: 82.5415 deg
RA of node: 129.4526 deg
Eccentricity: 0.0017465
Arg of perigee: 125.4990 deg
Mean anomaly: 234.7765 deg
Mean motion: 13.16961909 rev/day
Decay rate: $4.3\text{e-}07$ rev/day²
Epoch rev: 25242
Checksum: 320

Satellite: NOAA-11
Catalog number: 19531
Epoch time: 93298.39832634
Element set: 406
Inclination: 99.1495 deg
RA of node: 276.8780 deg
Eccentricity: 0.0012791
Arg of perigee: 73.7107 deg
Mean anomaly: 286.5606 deg
Mean motion: 14.12924957 rev/day
Decay rate: $-2.93\text{e-}06$ rev/day²
Epoch rev: 26206
Checksum: 338

Satellite: MET-2/18
Catalog number: 19851
Epoch time: 93299.11903329
Element set: 207
Inclination: 82.5239 deg
RA of node: 330.5443 deg
Eccentricity: 0.0014109
Arg of perigee: 157.6371 deg
Mean anomaly: 202.5407 deg
Mean motion: 13.84347402 rev/day
Decay rate: $4.3\text{e-}07$ rev/day²
Epoch rev: 23530
Checksum: 287

Satellite: MET-3/3
Catalog number: 20305
Epoch time: 93298.42537212
Element set: 908
Inclination: 82.5459 deg

RA of node: 72.9825 deg
Eccentricity: 0.0016410
Arg of perigee: 148.0687 deg
Mean anomaly: 212.1432 deg
Mean motion: 13.16023362 rev/day
Decay rate: 4.3e-07 rev/day^2
Epoch rev: 19223
Checksum: 279

Satellite: MET-2/19
Catalog number: 20670
Epoch time: 93298.73841042
Element set: 707
Inclination: 82.5470 deg
RA of node: 34.6912 deg
Eccentricity: 0.0017240
Arg of perigee: 82.9970 deg
Mean anomaly: 277.3151 deg
Mean motion: 13.84178650 rev/day
Decay rate: 1.5e-07 rev/day^2
Epoch rev: 16818
Checksum: 311

Satellite: FY-1/2
Catalog number: 20788
Epoch time: 93298.92381594
Element set: 812
Inclination: 98.8525 deg
RA of node: 321.3744 deg
Eccentricity: 0.0014692
Arg of perigee: 308.8653 deg
Mean anomaly: 51.1202 deg
Mean motion: 14.01317616 rev/day
Decay rate: 3.60e-06 rev/day^2
Epoch rev: 16089
Checksum: 311

Satellite: MET-2/20
Catalog number: 20826
Epoch time: 93299.07374770
Element set: 706
Inclination: 82.5275 deg
RA of node: 332.2559 deg
Eccentricity: 0.0013857
Arg of perigee: 349.6098 deg
Mean anomaly: 10.4773 deg
Mean motion: 13.83562027 rev/day
Decay rate: 4.6e-07 rev/day^2

Epoch rev: 15538
Checksum: 325

Satellite: MET-3/4
Catalog number: 21232
Epoch time: 93297.56590798
Element set: 608
Inclination: 82.5424 deg
RA of node: 336.1765 deg
Eccentricity: 0.0014196
Arg of perigee: 55.6002 deg
Mean anomaly: 304.6456 deg
Mean motion: 13.16456765 rev/day
Decay rate: $4.3\text{e-}07$ rev/day²
Epoch rev: 12035
Checksum: 306

Satellite: NOAA-12
Catalog number: 21263
Epoch time: 93295.63898410
Element set: 813
Inclination: 98.6472 deg
RA of node: 323.3661 deg
Eccentricity: 0.0012171
Arg of perigee: 203.1133 deg
Mean anomaly: 156.9505 deg
Mean motion: 14.22322766 rev/day
Decay rate: $1.64\text{e-}06$ rev/day²
Epoch rev: 12676
Checksum: 290

Satellite: MET-3/5
Catalog number: 21655
Epoch time: 93298.88640364
Element set: 607
Inclination: 82.5509 deg
RA of node: 282.2055 deg
Eccentricity: 0.0014735
Arg of perigee: 62.6900 deg
Mean anomaly: 297.5720 deg
Mean motion: 13.16824970 rev/day
Decay rate: $4.3\text{e-}07$ rev/day²
Epoch rev: 10562
Checksum: 311

Satellite: MET-2/21
Catalog number: 22782
Epoch time: 93300.19232430

Element set: 206
Inclination: 82.5497 deg
RA of node: 31.0715 deg
Eccentricity: 0.0022297
Arg of perigee: 155.2055 deg
Mean anomaly: 205.0182 deg
Mean motion: 13.82988487 rev/day
Decay rate: 8.7e-07 rev/day^2
Epoch rev: 788
Checksum: 295

/EX

Date: 29 Oct 93 15:29:38 GMT
From: psinntp!arrl.org@uunet.uu.net
Subject: Update - ARRL National Exam Day '93 - Tomorrow, 10/30/93
To: info-hams@ucsd.edu

The ARRL is sponsoring a National Examination Day for Amateur Radio License testing. That day is this Saturday, October 30, 1993.

The following is a listing of nearly 80 examination teams who will be participating in this activity.

We wish all examinees the best of luck. We especially offer our thanks and appreciation to all VE Teams who are participating both in this day--and the remaining 364 days of each year. Know that your efforts are appreciated!

AMATEUR RADIO EXAMINATION OPPORTUNITIES

Special Note: Amateur Radio licenses usually arrive between 8 and 10 weeks after the test session. The FCC considers their processing time to be 90 days--from the date they receive the application. The FCC usually receives the application one to two weeks after the test session (once the VE Team and the coordinating VEC have completed their processing).

Note: Codeless Technician to Technician w/HF upgraders (who pass a

Morse code test) will not receive a new license from the FCC. The existing Technician license plus the CSCE conveying the Morse code test credit is the only documentation issued for use of the additional HF privileges.

The following test session information is provided by the ARRL/VEC for the upcoming six to eight week period. For further information, please contact the test session CONTACT PERSON at the telephone number provided. If necessary, you may contact the ARRL/VEC at 203-666-1541 x282 for additional information. Electronic mail may be forwarded to the ARRL/VEC via USENET at "bjahnke@arrl.org" or via MCI Mail to MCI ID: 215-5052.

Although the test session information presented here does not indicate whether walk-ins are accepted or not, most test sessions do allow walk-ins. We encourage you, however, to always contact the CONTACT PERSON at the telephone number provided so that the VE Team is aware that you be attending the test session.

STILL NEED TO PREPARE FOR YOUR EXAM?

If you would like information on how to become licensed; or how to locate Amateur Radio clubs, instructors, licensing classes and/or Novice examiners in your area; please contact the ARRL Educational Activities Department (EAD) at 203-666-1541 x219. The EAD can also provide information on recommended study materials. Electronic mail may be forwarded to the ARRL EAD via USENET at "rwhite@arrl.org" or via MCI Mail to MCI ID: 215-5052.

EXAM LISTINGS - DEFINITION OF FIELDS

STATE

Test Date,VEC,City,,Contact Phone,Contact Person

The SECOND field in the following listing specifies the VEC which is coordinating this examination. This single-character designator denotes the VEC as defined below. An "A" (for example) indicates that this examination is coordinated by the ARRL/VEC.

For further information on any examinations listed, or if you do not

find any examinations listed for your area, you may contact any of the coordinating VECs below.

A = ARRL/VEC, 225 Main St, Newington, CT 06111; (d) 203-666-1541
The 1993 Test Fee is \$5.60.

X = Anchorage ARC, 2628 Turnagain Parkway, Anchorage, AK 99517;
(d) 907-786-8121, (n) 907-243-2221 (or) 907-276-5121
(or) 907-274-5546

C = Central Alabama VEC, 1215 Dale Dr SE, Huntsville, AL 35801;
205-536-3904

N = Charlotte VEC, 227 Bennett Ln, Charlotte, NC 28213;
704-596-2168

D = Great Lakes ARC VEC Inc., PO Box 273, Glenview, IL 60025;
708-486-8019

E = Golden Empire ARS, PO Box 508, Chico, CA 95927; No phone.

G = Greater Los Angeles ARG, 9737 Noble Ave, Sepulveda, CA 91343;
818-892-2068, 805-822-1473.

J = Jefferson ARC, PO Box 24368, New Orleans, LA 70184-4368; No phone

K = Koolau ARC, 45-529 Nakulua St, Kaneohe, HI 96744;
808-235-4132

L = Laurel ARC Inc., PO Box 3039, Laurel, MD 20709-0039;
(d) 301-572-5124, 301-317-7819, (n) 301-588-3924

M = The Milwaukee RAC Inc., 1737 N 116th St, Wauwatosa, WI 53226;
414-774-6999. Test fee for 1993 is \$5.00.

H = Mountain ARC, PO Box 10, Burlington, WV 26710; 304-289-3576,
301-724-0674

P = PHD ARA Inc., PO Box 11, Liberty, MO 64068; 816-781-7313

R = Sandarc-VEC, PO Box 2446, La Mesa, CA 91943-2446; 619-465-3926

S = Sunnyvale VEC ARC, PO Box 60307, Sunnyvale, CA 94088-0307;
408-255-9000

T = Triad Emergency ARC, 3504 Stonehurst Pl, High Point, NC 27265;
919-841-7576

W = Western Carolinas ARS VEC, 5833 Clinton Hwy - Suite 203,
Knoxville, TN 37912-2500; 615-688-7771.
The 1993 Test Fee is \$5.60.

5 = W5YI-VEC, PO Box 565101, Dallas, TX 75356-5101; 817-461-6443
The 1993 Test Fee is \$5.60.

EXAMINATION OPPORTUNITIES IN YOUR AREA:

ALABAMA

10/30/93,A,Montgomery,,205-269-4201,Leroy Bell Jr

ARKANSAS

10/30/93,A,Fairfield Bay,,501-745-2444,Joe Evans

ARIZONA

10/30/93,A,Sierra Vista,,602-378-9404,Frank Ivey

CALIFORNIA

10/30/93,A,Burbank,,818-703-4256,Alfred Fernandez
10/30/93,A,Corona,,714-279-5447,Phillip Williams
10/30/93,A,Fairfield,,916-662-0801,Gerald D Newton
10/30/93,A,French Camp,,916-775-1629,Dorothy Hays
10/30/93,A,Fresno,,209-227-3684,William Post
10/30/93,A,Lake Elsinore,,909-678-2147,Julie Szabo
10/30/93,A,Los Angeles,,310-820-1234,Ray Cardenas
10/30/93,A,Ridgecrest,,619-375-7245,Lloyd Brubaker

CONNECTICUT

10/30/93,A,Bloomfield,,203-243-1611,Don Wilson
10/30/93,A,Plymouth,,203-283-4089,Lawrence S Polowy

DELAWARE

10/30/93,A,Dover,,302-697-6178,Robert W Baker

GEORGIA

10/30/93,A,Brunswick,,912-267-0816,Vergil Eckleberry
10/30/93,W,Dalton,,404-673-2214,Bert Coker
10/30/93,A,Fort Gordon,,706-798-5060,Carroll Norton

HAWAII

10/30/93,A,Kappa,,808-822-0373,Ed Coan

IOWA

10/30/93,A,Council Bluffs,,712-322-1454,Lorraine Bogle

ILLINOIS

10/30/93,A,Athens,,217-544-5374,Gary Britz KF90I
10/30/93,A,Effingham,,217-347-7346,Russ Thomas
10/30/93,A,Hanover Park,,708-483-8523,William Rudd
10/30/93,A,Jacksonville,,217-245-2061,Timothy C Childers

INDIANA

10/30/93,A,Connersville,,317-825-2434,Omar Pea NZ9H
10/30/93,A,Indianapolis,,317-291-3569,Joseph A Cirillo
10/30/93,A,South Bend,,219-255-4455,Dan Caesar

KENTUCKY

10/30/93,A,Bowling Green,,502-781-4459,Roger Batse1
10/30/93,A,Louisville,,502-423-8478,Otis R Herron

LOUISIANA

10/30/93,A,Minden,,318-377-2928,George M Winford

MASSACHUSETTS

10/30/93,A,Chelsea,,617-289-2473,Rico Arpino
10/30/93,A,Framingham,,508-877-0563,Dick Marshall

MARYLAND

10/30/93,A,Port Deposit,,410-378-2771,Louis Busby

MAINE

10/30/93,A,Portland,, ,Arthur Allen

MICHIGAN

10/30/93,A,Manistee,,616-864-3077,Gerald Young

MINNESOTA

10/30/93,A,Saint Paul,,612-888-6187,Jerry Jensen

MISSOURI

10/30/93,A,Hannibal,,314-221-8618,Clifford H Ahrens
10/30/93,A,Kennett,,314-888-6223,Jack D Sawyer

MISSISSIPPI

10/30/93,A,Vicksburg,,601-638-3362,Brent Lamb

NORTH CAROLINA

10/30/93,A,Andrews,,704-321-3195,Robert Stokely, N4WCO
10/30/93,A,New Bern,,919-633-3178,Charlie Gould

NEBRASKA

10/30/93,A,Grand Island,,308-381-8062,Jack Barnard

10/30/93,A,Lincoln,,402-486-1400,John Hauner
10/30/93,A,Norfolk,,402-379-1961,John Wilson
10/30/93,A,North Platte,,308-284-6397,Mark Skinner

NEW HAMPSHIRE

10/30/93,A,Contoocook,,603-224-3899,Rob Fair
10/30/93,A,Peterborough,,603-924-9901,Chester Bowles
10/30/93,A,Rochester,,603-742-0130,William Dodge

NEW JERSEY

10/30/93,A,Hackettstown,,201-347-7723,Bonita M Johnson
10/30/93,A,Oakland,,201-835-1808,Warren J Walsh Jr

NEW MEXICO

10/30/93,A,Clovis,,505-762-3953,Harold Landsperg

NEW YORK

10/30/93,A,Albany,,518-462-9417,Bessie Israel
10/30/93,A,Bronx,,718-538-0258,Alcangel Viera
10/30/93,A,Lockport,,716-751-9223,Judith Cianchetti
10/30/93,A,White Plains,,914-834-2322,Dr Richard A Sandell

OHIO

10/30/93,A,Akron,,216-836-8869,Tony Mortimer
10/30/93,A,Girard,,216-534-1394,James Viele
10/30/93,A,Lisbon,,216-532-3131,Evelyn Mc Intosh

OKLAHOMA

10/30/93,A,Miami,,918-542-7142,Gary Sherard

OREGON

10/30/93,A,Eugene,,503-689-5534,Steve Snyder

PENNSYLVANIA

10/30/93,A,Bryn Mawr,,215-265-6032,Robert J Lees
10/30/93,A,Indiana,,412-479-8117,Paul Williams
10/30/93,A,Nazareth,,215-767-4778,John Greenage
10/30/93,A,Philadelphia,,215-898-8538,Matthew Gomez
10/30/93,A,Reading,,215-678-8976,Harry Hoffman
10/30/93,A,York,,717-292-3529,Ray Shaub

RHODE ISLAND

10/30/93,A,Slatersville,,401-333-2129,Robert Beaudet

TENNESSEE

10/30/93,A,Columbia,,615-381-6814,Charles Miller

TEXAS

10/30/93,A,Grangerland,,713-592-2257, Sam Neal
10/30/93,A,Laredo,,210-723-9624,C J De La Garza
10/30/93,A,McGregor,,817-859-5374,James M Lang
10/30/93,A,Ravenna,,903-989-2600,Charles Kingston WA5UTS
10/30/93,A,San Angelo,,915-658-7876,Robert R Mowrer

VIRGINIA

10/30/93,A,Fredricksburg,,703-373-7076,Carolyn Cavanagh, AC4SK

VERMONT

10/30/93,A,Burlington,,802-878-6454,Ralph T Stetson III

WASHINGTON

10/30/93,A,Forks,,206-374-2222,Larry G Thornton

WISCONSIN

10/30/93,A,Tomahawk,,715-453-7096,Gregory Garner

WYOMING

10/30/93,A,Cheyenne,,307-637-8634,Wilson Sellner

EXAMINATION OPPORTUNITIES SCHEDULED OUTSIDE THE UNITED STATES:

AMERICAN SOMOA

10/30/93,A,Mapusaga Village,,684-699-2420,Michael Homsany

BAHAMAS

10/30/93,A,Bahamas,,809-368-2188,Robert Hagans

*EOF.

Date: Wed, 27 Oct 1993 13:59:55 GMT
From: dog.ee.lbl.gov!agate!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!vixen.cso.uiuc.edu!uchinews!att-out!cbfsb!cbnews!cbnewst!
cbnewsm!hellman@network.ucsd.edu
Subject: Yaesu FT-990 Comments...
To: info-hams@ucsd.edu

> If so, this is amazing. I use a TS850 with FSK and my 500Hz cw filter
> for RTTY and can't imagine going back to LSB mode like I had to with
> the older TS440.

>
I use the FSK (actually it's AFSK) Mode switch on my TS440 for rtty and
that uses the 500 Hz filter.

73 Shel WA2UBK dara@physics.att.com

Date: 29 Oct 93 14:44:55 GMT
From: sequent!muncher.sequent.com!dale@uunet.uu.net
Subject: zones, regions, and all that stuff -- where am I?
To: info-hams@ucsd.edu

In response to my post about logging programs for the CQ WW
contest the responses were all that I should get CT. I pulled
it off the QRZ CD ROM and it is a great program.

When it starts up it wants to know what "zone" I am in and I
am somewhat embarassed to admit that I also want to know that.

I have two maps at home, one is the world, and one is North America.
They both have lots of black lines as "zone" boundaries according to
the key. Problem is that one map shows 6 for Western USA, and the
other 3.

Can someone please tell me which zone the Western part of USA (Oregon)
is according to CQ WW desires? As you guessed, I'm not a big time
contester. :-)

73, Dale, N7PEX

--
dale@sequent.com OR uunet!sequent!dale
Dale Mosby 503-578-9842 N7PEX // Sequent Computer Systems, Inc.
15450 SW Koll Parkway // Beaverton, Or. 97006-6063

End of Info-Hams Digest V93 #1283

